

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Anthony GRIFFO;
Gregory Thomas LOCKWOOD;
Mohammed BOUDRARE;
Jiaqing YU

Serial No.: 10/650,268

Filing Date: August 28, 2003

For: ROLLER CONE BITS WITH WEAR
AND FRACTURE RESISTANT SURFACE

Group Art Unit: 3672

Examiner: TBA

Customer No.: 24574

Docket No.: 63833-5034

**POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR UNDER 37 C.F.R. §3.71**

Commissioner for Patent
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The undersigned WESLEY T. NOAH is a representative authorized to sign on behalf of the Assignee of the entire interest in the above-identified subject application, ROLLER CONE BITS WITH WEAR AND FRACTURE RESISTANT SURFACE, and hereby appoints:

GRANT T. LANGTON, Reg. No. 39,739, GEORGE G. C. TSENG, Reg. No. 41,355, ROD S. BERMAN, Reg. No. 31,483, BERNARD R. GANS, Reg. No. 27,443, BRIAN KASELL, Reg. No. 33,522, and STEVEN R. HANSEN, Reg. No. 39,214 of the firm of Jeffer, Mangels, Butler & Marmaro LLP as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventor and his attorney in accordance with the provisions of 37 C.F.R. §3.71.

WESLEY T. NOAH, per 37 C.F.R. §3.73(b), certifies that the evidentiary documents with respect to its ownership have been reviewed and that to the best of the undersign's knowledge and belief, title is in the assignee seeking this action.

WESLEY T. NOAH, declares that 100% ownership is established by the assignment:

X filed herewith

Please direct all telephone calls to Grant T. Langton, Esq. at 310-203-8080 and all correspondence relative to said application to the following address:

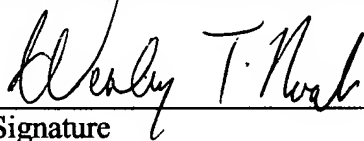
CUSTOMER NO. 24,574

Grant T. Langton, Esq.
JEFFER, MANGELS, BUTLER & MARMARO LLP
Seventh Floor
1900 Avenue of the Stars
Los Angeles, CA 90067

ASSIGNEE:

SMITH INTERNATIONAL, INC.

9/3/04
Date


Signature

Typed Name:

Wesley T. Noah

Title:

Chief Patent Counsel

Address:

16740 Hardy Street
Houston, Texas 77032
US